Amendments to the Claims

Please amend claims 1, 9 and 10. Please cancel claim 8. The pending claims after amendment are listed below.

- 1 1. (Currently Amended) A method for manufacturing a disk substrate for a rotating disk 2 drive data storage device, comprising the steps of:
- providing a disk substrate having a circumferential edge, said disk substrate being of a material from the set of materials consisting of: glass, ceramic, and a combination of glass and ceramic;
- 6 loading said disk substrate to an edge finishing apparatus; and
- grinding said circumferential edge of said disk substrate in a ductile grinding regime using said edge finishing apparatus:
- 9 wherein said disk substrate is finished for installation in a disk drive data storage device
 10 without chemical strengthening of said disk substrate.
- 1 2. (Previously Presented) The method for manufacturing a disk substrate of claim 1, wherein said disk drive data storage device is a rotating magnetic disk drive data storage device, said disk
- 3 substrate being subsequently coated with a magnetic coating after said grinding step.
- 1 3. (Previously Presented) The method for manufacturing a disk substrate of claim 1, further
- 2 comprising the step of coarse grinding said circumferential edge in a non-ductile mode, said step
- 3 of coarse grinding said circumferential edge in a non-ductile mode being performed before said
- 4 step of grinding said circumferential edge in a ductile grinding regime.

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- 1 4. (Previously Presented) The method for manufacturing a disk substrate of claim 1, wherein
- 2 said disk substrate contains an outer circumferential edge at the periphery thereof and a central
- aperture defining an inner circumferential edge, and wherein said grinding step is applied to both
- 4 said outer circumferential edge of said disk substrate and to said inner circumferential edge.
- 5. (Previously Presented) The method for manufacturing a disk substrate of claim 1, wherein
- 2 said grinding step comprises grinding said edge with a formed grinding appliance conforming to
- 3 an edge radius at said circumferential edge.
- 1 6. (Previously Presented) The method for manufacturing a disk substrate of claim 1, wherein
- 2 said grinding step comprises bringing a grinding appliance of said edge finishing apparatus in
- 3 contact with said circumferential edge and providing relative motion between said grinding
- 4 appliance and circumferential edge of approximately 30 m/sec or more.
- 7. (Previously Presented) The method for manufacturing a disk substrate of claim 1, wherein
- 2 said edge finishing apparatus comprises a grinding appliance having diamond particles of
- 3 approximately 6 microns or less.
 - 8. (Cancelled)
- 9. (Currently Amended) The method for manufacturing a disk substrate of claim 8 claim 1,
- wherein said disk substrate is of a material which is not chemically strengthenable.

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- 1 10. (Currently Amended) A method for manufacturing a disk substrate for a rotating disk
- drive data storage device, comprising the steps of:
- providing an a disk substrate having a cut, unfinished circumferential edge, said disk
- 4 substrate being of a material from the set of materials consisting of glass, ceramic, and a
- 5 combination of glass and ceramic, wherein said disk substrate material is not chemically
- 6 strengthenable; and
- 7 finishing said circumferential edge of said disk substrate to a finished state suitable for use
- 8 in a disk drive data storage apparatus using at least one edge finishing apparatus.
- 1 11. (Previously Presented) The method for manufacturing a disk substrate of claim 10,
- 2 wherein said step of finishing said circumferential edge of said disk substrate comprises grinding
- 3 said edge in a ductile grinding regime.
- 1 12. (Previously Presented) The method for manufacturing a disk substrate of claim 10,
- wherein said disk drive data storage device is a rotating magnetic disk drive data storage device,
- 3 said method further comprising the step of coating at least one flat surface of said disk substrate
- 4 with a magnetic coating, said coating step being performed after said grinding step.
- 1 13. (Previously Presented) The method for manufacturing a disk substrate of claim 10,
- 2 wherein said disk substrate contains an outer circumferential edge at the periphery thereof and a
- 3 central aperture defining an inner circumferential edge, and wherein said finishing step comprises
- 4 finishing both said outer circumferential edge of said disk substrate and said inner circumferential
- 5 edge.
- 1 14. (Previously Presented) The method for manufacturing a disk substrate of claim 10,
- 2 wherein said step of finishing said circumferential edge grinding step comprises forming an edge
- 3 radius at said circumferential edge.

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- 1 15. (Previously Presented) A method for manufacturing a disk substrate for a rotating disk
- 2 drive data storage device, comprising the steps of:
- providing a disk substrate having a cut, unfinished circumferential edge, said disk substrate
- 4 being of a material from the set of materials consisting of glass, ceramic, and a combination of
- 5 glass and ceramic;
- finishing said circumferential edge of said disk substrate to a finished state suitable for use
- 7 in a disk drive data storage apparatus by application of mechanical forces using at least one edge
- 8 finishing apparatus, said finishing step being accomplished without chemical strengthening of
- 9 said disk substrate.
- 1 16. (Previously Presented) The method for manufacturing a disk substrate of claim 15,
- wherein said disk substrate is of a material which is not chemically strengthenable.
- 1 17. (Previously Presented) The method for manufacturing a disk substrate of claim 15,
- 2 wherein said step of finishing said circumferential edge of said disk substrate comprises grinding
- 3 said edge in a ductile grinding regime.
- 1 18. (Previously Presented) The method for manufacturing a disk substrate of claim 15,
- 2 wherein said disk drive data storage device is a rotating magnetic disk drive data storage device,
- 3 said method further comprising the step of coating at least one flat surface of said disk substrate
- 4 with a magnetic coating, said coating step being performed after said grinding step.
- 1 . 19. (Previously Presented) The method for manufacturing a disk substrate of claim 15,
- wherein said disk substrate contains an outer circumferential edge at the periphery thereof and a
- 3 central aperture defining an inner circumferential edge, and wherein said finishing step comprises
- 4 finishing both said outer circumferential edge of said disk substrate and said inner circumferential
- 5 edge.

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- 1 20. (Previously Presented) The method for manufacturing a disk substrate of claim 15,
- wherein said step of finishing said circumferential edge grinding step comprises forming an edge
- 3 radius at said circumferential edge.

21-43. (Cancelled)

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